

ABSTRACT

A DVD data drive (2) includes a disc drive housing (4) that includes a DVD cartridge (16) and an optical pick-up unit (10) joined to the DVD cartridge (16) such that sensitive parts of the OPU (10) may extend within the DVD cartridge (16) and are shielded from the inner environment (6) of the disc drive housing (4). A fan (22) and air inlet provide (20) for cooling the OPU (10) and DVD cartridge (16) by the forced convection of unfiltered cooling air directed through the disc drive housing (4). The OPU (10) and DVD cartridge (16) are joined by a dust seal (30) that ensures that the cooling air directed through the disc drive housing (4) is shielded from sensitive parts of the OPU (10) which remains dust-free.